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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 5,697,970
DATED : December 16, 1997
INVENTOR(S) : Schmitt et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 2, Line 21,

now reads, "cramps",
should read --crimps--,

IN THE CLAIMS:

Claim 6, Line 9,

now reads " $C=[2(t \rightarrow 10)]^{-1}$ ",
should read -- $C=[2(t \div 10)]^{-1}$ --.



Attest:
Mary H. Green

Attesting Officer

Signed and Sealed this
Twenty-first Day of April, 1998

Bruce Lehman

BRUCE LEHMAN

Commissioner of Patents and Trademarks



The United States of America



The Commissioner of Patents and Trademarks

Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America for the term set forth below, subject to the payment of maintenance fees as provided by law.

If this application was filed prior to June 8, 1995, the term of this patent is the longer of seventeen years from the date of grant of this patent or twenty years from the earliest effective U.S. filing date of the application, subject to any statutory extension.

If this application was filed on or after June 8, 1995, the term of this patent is twenty years from the U.S. filing date, subject to any statutory extension. If the application contains a specific reference to an earlier filed application or applications under 35 U.S.C. 120, 121 or 365(c), the term of the patent is twenty years from the date on which the earliest application was filed, subject to any statutory extension.

Bence Lehman

Commissioner of Patents and Trademarks

Pandra Morton

Attest



US005697970A

United States Patent [19]

Schmitt et al.

[11] **Patent Number:** **5,697,970**[45] **Date of Patent:** **Dec. 16, 1997**[54] **THINLY WOVEN FLEXIBLE GRAFT**[75] **Inventors:** **Peter J. Schmitt**, Garnerville, N.Y.;
Jose F. Nunez, Kearny, N.J.[73] **Assignee:** **Meadox Medicals, Inc.**, Oakland, N.J.[21] **Appl. No.:** **650,783**[22] **Filed:** **May 20, 1996****Related U.S. Application Data**

[63] Continuation of Ser. No. 285,334, Aug. 2, 1994, abandoned.

[51] **Int. Cl.**⁶ **A61F 2/06**[52] **U.S. Cl.** **623/1; 623/11; 623/12**[58] **Field of Search** **623/1, 8, 9, 11,**
623/12, 66; 600/36, 37; 606/191, 194, 198[56] **References Cited****U.S. PATENT DOCUMENTS**

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Primary Examiner—John G. Weiss*Assistant Examiner*—Francis K. Cuddihy*Attorney, Agent, or Firm*—Hoffmann & Baron, LLP[57] **ABSTRACT**

A thinly woven textile prosthetic implant such as a vascular graft may be implanted by catheter implantation. The implant includes an elongate tubular body formed of a woven fabric having a fabric thickness no greater than about 0.16 mm. The tubular body includes a series of longitudinally spaced wave-like generally uniform crimps along the length thereof. The crimps are disposed at a fine pitch along the length of the tubular body. The amplitude of the crimps is relatively small thus reducing the formation of thrombus and plaque on the inside of the implant.

16 Claims, 2 Drawing Sheets